RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

Source:

Date Processed by STIC:

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial	Number: 10/676,675	CRF Edit Date: 6/1/05 Edited by: 100
	Realigned nucleic acid/amino acid numbers/text text "wrapped" to the next line	in cases where the sequence
	Corrected the SEQ ID NO. Sequence numbers	edited were:
·····	Inserted or corrected a nucleic number at the en NO's edited:	nd of a nucleic line. SEQ ID
_\\nu	Deleted:Invalid beginning/end-of-file text;	page numbers
	Inserted mandatory headings/numeric identifier	rs, specifically:
	Moved responses to same line as heading/numer	ic identifier, specifically:
_V	Other: Corrected An Aumberington seg 10.	nino Acid #s/8-20.

Revised 09/09/2003

Raw Sequence Listing before editing, for reference only



DATE: 06/01/2005

IFWO

```
PATENT APPLICATION: US/10/676,675
                                                            TIME: 15:06:02
                     Input Set : A:\pto.kd.txt
                     Output Set: N:\CRF4\06012005\J676675.raw
      3 <110> APPLICANT: KROPSHOFER, H.
             VOGT, A.
             ROEHN, T.A.
      7 <120> TITLE OF INVENTION: Identification of novel MHC class II associated candidate
tumor
             antigens
      8
     10 <130> FILE REFERENCE: Case 21412
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/676,675
C--> 13 <141> CURRENT FILING DATE: 2003-10-01
     15 <150> PRIOR APPLICATION NUMBER: EP 02022224.6
   · 16 <151> PRIOR FILING DATE: 2002-02-10
     18 <160> NUMBER OF SEQ ID NOS: 22
    20 <170> SOFTWARE: PatentIn version 3.2
    22 <210> SEQ ID NO: 1
    23 <211> LENGTH: 16
    24 <212> TYPE: PRT
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RAW SEQUENCE LISTING

68 <212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 06/01/2005
PATENT APPLICATION: US/10/676,675 TIME: 15:06:02

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06012005\J676675.raw

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152 1
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RAW SEQUENCE LISTINGPATENT APPLICATION: **US/10/676,675**DATE: 06/01/2005 TIME: 15:06:02

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06012005\J676675.raw

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RAW SEQUENCE LISTING DATE: 06/01/2005 PATENT APPLICATION: US/10/676,675 TIME: 15:06:02

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06012005\J676675.raw

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276 <212> TYPE: PRT
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285 Tyr
289 <210> SEQ ID NO: 22
290 <211> LENGTH: 738
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292 <213> ORGANISM: Homo sapiens
294 <300> PUBLICATION INFORMATION:
295 <308> DATABASE ACCESSION NO: swissprot/P08582
296 <309> DATABASE ENTRY DATE: 2001-10-16
297 <313> RELEVANT RESIDUES: (1)..(738)
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305 Val Leu Gly Gly Met Glu Val Arg Trp Cys Ala Thr Ser Asp Pro Glu
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309 Gln His Lys Cys Gly Asn Met Ser Glu Ala Phe Arg Glu Ala Gly Ile
313 Gln Pro Ser Leu Leu Cys Val Arg Gly Thr Ser Ala Asp His Cys Val
317 Gln Leu Ile Ala Ala Gln Glu Ala Asp Ala Ile Thr Leu Asp Gly Gly
318 65
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RAW SEQUENCE LISTING DATE: 06/01/2005 PATENT APPLICATION: US/10/676,675 TIME: 15:06:02

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\06012005\J676675.raw

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322			_	_	85			~3	1	90	_	_			95	
	GIu	Val	Tyr	_	GIn	GIu	Val	Gly		Ser	Tyr	Tyr	Ala		Ala	Val
326		_	_	100	_	1			105	_		_	_	110		_
	Val	Arg	_	Ser	Ser	His	Val	Thr	Ile	Asp	Thr	Leu	-	GLY	Val	Lys
330	_	_	115				_	120	_,			_	125		_	
	Ser	_	His	Thr	GIĀ	He		Arg	Thr	Val	GIY	_	Asn	Val	Pro	Val
334	~1	130	_			_	135		_	_		140		_		
	_	Tyr	Leu	Val	GIu		GIY	Arg	Leu	ser		Met	GIA	Cys	Asp	
	145	7		**- 7		150		D1	a 1	a 1	155	a	** - 7		01	160
	ьeu	ьys	Ala	vaı		Asp	Tyr	Phe	GIY		ser	Cys	vai	Pro		Ala
342	a1	~1	mb	C	165	0	~1	C	T	170	7	T	a	7	175	7
345	GIY	GIU	Ini	180	TAL	ser	GIU	Ser	185	cys	Arg	Leu	Cys	190	GIY	Asp
	e~~	C0~	C1		C1	1721	Cara	7 00		C02	Dro	T 011	C1.,		П	П
350	261	261	195	GIU	GIY	vai	Cys	Asp 200	гур	ser	PIO	ьеи	205	Arg	ıyı	IYL
	Δen	Тул		Glv	Δla	Dha	Ara	Cys	T.011	Δla	Glu	Gl v		Gl w	Acn	Val
354	чэр	210	DCI	GLY	AIG	FIIC	215	. Cys	Бец	Ата	Giu	220	лια	Gry	тэр	Val
	Δla		Val	Lve	Hic	Ser		Val	T.e.11	Glu	Δen		Δen	Glv	T.ve	Thr
	225	1110	• • • •			230		· u =	Deu	014	235		пор		2,5	240
		Pro	Ser	Trp	Glv		Ala	Leu	Leu	Ser		Asp	Phe-	Glu	Leu	
362		+			245					250					255	
	Cvs	Arq	Asp	Glv		Ara	Ala	Asp	Val		Glu	Trp	Ara	Gln		His
366			2	260	•		_		265			-	5	270	- 4	
370	Leu	Ala	Arq	Val	Pro	Ala	His	Ala	Val	Val	Val	Arq	Ala	Asp	Thr	Asp
371			275					280					285	_		-
374	Gly	Gly	Leu	Ile	Phe	Arg	Leu	Leu	Asn	Glu	Gly	Gln	Arg	Leu	Phe	Ser
375		290				_	295				_	300	_			
378	His	Glu	Gly	Ser	Ser	Phe	${\tt Gln}$	Met	Phe	Ser	Ser	Glu	Ala	Tyr	Gly	Gln
379	305					310					315					320
382	Lys	Asp	Leu	Leu	Phe	Lys	Asp	Ser	Thr	Ser	Glu	Leu	Val	Pro	Ile	Ala
383					325					330					335	
386	Thr	Gln	Thr		Glu	Ala	Trp	Leu	Gly	His	Glu	\mathtt{Tyr}	Leu	His	Ala	Met
387				340					345					350		
	Lys	Gly		Leu	Cys	Asp	Pro	Asn	Arg	Leu	Pro	Pro	_	Leu	Arg	\mathtt{Trp}
391	_	-	355	_				360					365		L	
	Cys		Leu	Ser	Thr	Pro		Ile	Gln	Lys	Cys	_	Asp	Met	Ala	Val
395		370	_0	_	~3	_	375	_	_	~3		380	_		_	
		Pne	Arg	Arg	GIn	_	Leu	Lys	Pro	GIU		GIn	Cys	vai	ser	
	385		D	a 1	***	390	37 - 5	01	7	- 1.	395	37.	a1	a 1	**- 7	400
	гла	ser	Pro	Gin		Cys	Met	Glu	Arg		GIn	Ala	GIU	GIn		Asp
403	77.	77a 7	ml	T	405	a1	~1	3	T 1 =	410	m1	77-	~1	T	415	(The same
	Ата	vai	THE		ser	GIY	GIU	Asp		Tyr	Thr	Ата	GIY	_	ьуѕ	Tyr
407	a1	T	1707	420	77-	77-	a 1	a 1	425	Ma and	77-	D	a1	430		0
	GIY	ьeu		PIO	Ala	Ala	GIY	Glu	HIS	TAL	Ата	Pro		Asp	ser	ser
411	·7 ~~	Co~	435	Пч	7727	37 n 3	λ Ι~	440	τ <i>τ</i> ~ ٦	7 ~~	7	7.~~	445	C~~	ш: ~	71-
	ASII	450	TAT	TAT	val	val	455	Val	val	Arg	Arg	460	ser	ser	птр	ATG
415	Dhe		Leu	Λαν	GI.	Leu		G1	Larc	7~~	Sc~		ui a	λ Ι >	G117	Dhe
410	FIIG	TIIL	πeα	чэb	GIU	пeп	w. A	Gly	ъλг	Arg	Ser	Cys	UTS	HIG	GIA	FIIG

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/676,675

DATE: 06/01/2005

TIME: 15:06:03

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06012005\J676675.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date



IFWO

RAW SEQUENCE LISTING DATE: 05/25/2005 PATENT APPLICATION: US/10/676,675 TIME: 13:52:07 Input Set : A:\21412 sequence listing.txt Output Set: N:\CRF4\05252005\J676675.raw 3 <110> APPLICANT: KROPSHOFER, H. VOGT, A. ROEHN, T.A. 7 <120> TITLE OF INVENTION: Identification of novel MHC class II associated candidate antigens 10 <130> FILE REFERENCE: Case 21412 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/676,675 C--> 13 <141> CURRENT FILING DATE: 2003-10-01 15 <150> PRIOR APPLICATION NUMBER: EP 02022224.6 Does Not Comply Corrected Disketta Needed 16 <151> PRIOR FILING DATE: 2002-02-10 18 <160> NUMBER OF SEQ ID NOS: 22

ERRORED SEQUENCES

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241 <210> SEQ ID NO: 18 242 <211> LENGTH: 9 243 <212> TYPE: PRT 244 <213> ORGANISM: Homo sapiens 246 <400> SEQUENCE: 18 248 Phe Arg Gln Asp Val Asp Asn Ala Ser E--> 249 725 5 252 <210> SEQ ID NO: 19 253 <211> LENGTH: 9 254 <212> TYPE: PRT 255 <213> ORGANISM: Homo sapiens 257 ★400> SEQUENCE: 19 Yet Glu Val Glu Arg Asp Asn Leu Ala E--> 260 725/5/ 263 2105 SEQ ID NO: 20 264 <211> LENGTH: 9 265 <212> TYPE: PRT 266 <213> ORGANISM: Homo sapiens 268 400> SEQUENCE: 20 Lew Phe Lys Asp Ala Thr Val Arg Ala

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VERIFICATION SUMMARY

DATE: 05/25/2005 TIME: 13:52:08

PATENT APPLICATION: US/10/676,675

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:249 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:18

L:260 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:19

L:271 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:20